

PAINT AND VARNISH PRODUCTION

Editorial Index

Volume 62-1972

Numbers 1-12

A

Acrylic Polymer Additive, New, for Lead-Free Latex Primers — John E. Gallagher	May 35
ADDITIVES	
Antimony, for Flame Retardant Coatings — I. Touval and A. Frieman	Oct. 61
New Acrylic Polymer, for Lead-Free Latex Primers — John E. Gallagher	May 35
Aerosol Can, Safer, Now Available — Lewis R. Robinson	May 42
AHRBERG, W. RAYMOND	
At Rust-Oleum: Word Processing Center Improves Sales Correspondence	Mar. 41
Anatomy of Latex Paints — H. S. Ritter	July 27
Annual Meetings, Reports and Photos from: Special Convention Coverage	Dec. 35
Antimicrobial Paint Proves Effective at Mortell	Oct. 67
Antimony Additives for Flame Retardant Coatings — I. Touval and A. Frieman	Oct. 61
Application Techniques for Powder Coatings — Hani T. Azzam	Apr. 39
Architectural Coatings, Polyurethane, An Overview — Richard A. Bieneman	Dec. 19
A Shipbuilder Looks at Coatings — Frank H. Rack	Sept. 21
At Mobile Paint: Computerization Eases Sales Record Keeping — Charles R. Sharpe	July 40
At Mortell: Antimicrobial Paint Proves Effective	Oct. 67
At Royal Paint: Versatile Defoamer Solves Wide Range of Problems	Sept. 44
At Sherwin-Williams: Facsimile Transmission Means Error-Free Communications	Jan. 33
AUTHORS	
Ahrberg, Raymond W.	Mar. 41
Azzam, Hani T.	Apr. 39
Bieneman, Richard A.	Dec. 19
Burns, R. J.	Feb. 29
Carpenter, Peter G.	July 34
Del Franco, Guy J.	Apr. 35
Earhart, Kenneth A.	Jan. 35
Eckhart, C. G.	Aug. 27
Esch, Frank	Apr. 23
Frieman, A.	Oct. 61

AUTHORS (Cont'd.)

Gallagher, John E.	May 35
Gaydosch, R. J.	Aug. 27
Gebbett, John G.	Nov. 39
Hagan, Joseph W.	Apr. 45
Hall, Douglas J.	June 41
Haselmeyer, Fritz	Sept. 48
Heikel, Aslak R.	Aug. 41
Holda, Eugene M.	Apr. 51
Howard, Daniel D.	Feb. 48
Imberman, A. A.	May 45
Jacobsen, Arthur E.	Sept. 37
Kachelein, L. J.	June 37
Keane, John D.	May 21
Kobliska, J. J.	Aug. 27
Kodama, S. P.	Aug. 27
Maass, Walter B.	Jan. 16, Feb. 11, Mar. 14, Apr. 8, May 16, June 16, July 16, Aug. 16, Sept. 16, Oct. 16, Nov. 16, Dec. 16
Mann, Abraham	Jan. 19
McKenna, L. A.	Feb. 29
McMeekin, L. J.	Aug. 27
Metil, Ignatius	July 20
Miles, Harold W.	Nov. 34
Paul, K. J.	June 46
Pike, M. T.	Mar. 27
Powanda, Thomas M.	Sept. 29
Prescott, W. B.	Aug. 27
Rack, Frank H.	Sept. 21
Reaves, Richard W.	Nov. 23
Rhodes, W. H.	Aug. 34
Riley, Cecelia	Aug. 20
Ritter, H. S.	July 27
Robinson, Lewis R.	May 42
Santacana, F.	Aug. 27
Sharpe, Charles R.	July 40
Stone, Edward	Apr. 35
Tastayre, G.	Nov. 29
Touval, I.	Oct. 61
Tracy, James E.	Sept. 29
Van Horn, James L.	Aug. 34
Vizgirda, R. J.	Dec. 25
Whittier, Bernard C.	Feb. 23
Willner, Jay R.	Mar. 47
Zinnert, Wolfgang	Sept. 48
Zoril, Ulrich	Mar. 17
Automotive Market, Big, Eyed for Powder Coatings — Dr. Edward Stone and Guy J. Del Franco	Apr. 35
AZZAM, HANI T.	
Application Techniques for Powder Coatings	Apr. 39
B	
BIENEMAN, RICHARD A.	
Polyurethane Architectural Coatings: An Overview	Dec. 19

Big Automotive Market Eyed for Powder Coatings — Dr. Edward Stone and Guy J. Del Franco	Apr. 35
BOOK REVIEWS	
Design of Thermal Systems (McGraw-Hill)	Feb. 66
Fundamental Principles of Polymeric Materials for Practicing Engineers (Barnes & Noble)	Feb. 66
Plastics and Synthetic Rubbers (Pergamon Press)	Mar. 68
Polyurethane Coatings (Noyes Data)	Apr. 86
Principles of Aerosol Technology (Van Nostrand Reinhold)	Jan. 67
Bright New Approach to Plant Safety	Mar. 38
Brighton Corp., Founder Still Leads	Sept. 46
BUILDING CONTRACTS	
Close Record Year	Mar. 48
Gain in November	Feb. 53
BURNS, R. J.	
Formulating Exempt Vinyl Coatings	Feb. 29

C

CARPENTER, PETER G.	
Upgrading Zinc Dust Coatings	July 34
Cecelia Riley Talks About Color — Cecelia Riley	Aug. 20
Chemical Waste, How to Control — S. Douglas Hall	June 41
Coal Tar Epoxy Protects Jersey Sewage Plant	Mar. 32
Coating Program Set For Conference-Show	Mar. 50
Coatings Overseas — Dr. Walter B. Maass	Jan. 16
Feb. 11, Mar. 14, Apr. 8, May 16, June 16, July 16, Aug. 16, Sept. 16, Oct. 16, Nov. 16, Dec. 16	
Collections and Payments, Questions and Answers on, PVP Management Report	Oct. 71
Color, Cecelia Riley Talks About — Cecelia Riley	Aug. 20
Communications, Error-Free, at Sherwin-Williams: Facsimile Transmission Means	Jan. 33
Computerization Eases Sales Record Keeping at Mobile Paint — Charles R. Sharpe	July 40
Containers, Paint, Polyethylene — Bernard C. Whittier	Feb. 23
Convention Programs	Oct. 23

PAINT AND VARNISH PRODUCTION

Editorial Index

Volume 62-1972

Numbers 1-12

A

Acrylic Polymer Additive, New, for Lead-Free Latex Primers — John E. Gallagher	May 35
ADDITIVES	
Antimony, for Flame Retardant Coatings — I. Touval and A. Frieman	Oct. 61
New Acrylic Polymer, for Lead-Free Latex Primers — John E. Gallagher	May 35
Aerosol Can, Safer, Now Available — Lewis R. Robinson	May 42
AHRBERG, W. RAYMOND	
At Rust-Oleum: Word Processing Center Improves Sales Correspondence	Mar. 41
Anatomy of Latex Paints — H. S. Ritter	July 27
Annual Meetings, Reports and Photos from: Special Convention Coverage	Dec. 35
Antimicrobial Paint Proves Effective at Mortell	Oct. 67
Antimony Additives for Flame Retardant Coatings — I. Touval and A. Frieman	Oct. 61
Application Techniques for Powder Coatings — Hani T. Azzam	Apr. 39
Architectural Coatings, Polyurethane, An Overview — Richard A. Bieneman	Dec. 19
A Shipbuilder Looks at Coatings — Frank H. Rack	Sept. 21
At Mobile Paint: Computerization Eases Sales Record Keeping — Charles R. Sharpe	July 40
At Mortell: Antimicrobial Paint Proves Effective	Oct. 67
At Royal Paint: Versatile Defoamer Solves Wide Range of Problems	Sept. 44
At Sherwin-Williams: Facsimile Transmission Means Error-Free Communications	Jan. 33
AUTHORS	
Ahrberg, Raymond W.	Mar. 41
Azzam, Hani T.	Apr. 39
Bieneman, Richard A.	Dec. 19
Burns, R. J.	Feb. 29
Carpenter, Peter G.	July 34
Del Franco, Guy J.	Apr. 35
Earhart, Kenneth A.	Jan. 35
Eckhart, C. G.	Aug. 27
Esch, Frank	Apr. 23
Frieman, A.	Oct. 61

AUTHORS (Cont'd.)

Gallagher, John E.	May 35
Gaydos, R. J.	Aug. 27
Gebbett, John G.	Nov. 39
Hagan, Joseph W.	Apr. 45
Hall, Douglas J.	June 41
Haselmeyer, Fritz	Sept. 48
Heikel, Aslak R.	Aug. 41
Holda, Eugene M.	Apr. 51
Howard, Daniel D.	Feb. 48
Imberman, A. A.	May 45
Jacobsen, Arthur E.	Sept. 37
Kachelein, L. J.	June 37
Keane, John D.	May 21
Kobliska, J. J.	Aug. 27
Kodama, S. P.	Aug. 27
Maass, Walter B.	Jan. 16, Feb. 11, Mar. 14, Apr. 8, May 16, June 16, July 16, Aug. 16, Sept. 16, Oct. 16, Nov. 16, Dec. 16
Mann, Abraham	Jan. 19
McKenna, L. A.	Feb. 29
McMeekin, L. J.	Aug. 27
Metil, Ignatius	July 20
Miles, Harold W.	Nov. 34
Paul, K. J.	June 46
Pike, M. T.	Mar. 27
Powanda, Thomas M.	Sept. 29
Prescott, W. B.	Aug. 27
Rack, Frank H.	Sept. 21
Reaves, Richard W.	Nov. 23
Rhodes, W. H.	Aug. 34
Riley, Cecelia	Aug. 20
Ritter, H. S.	July 27
Robinson, Lewis R.	May 42
Santacana, F.	Aug. 27
Sharpe, Charles R.	July 40
Stone, Edward	Apr. 35
Tastayre, G.	Nov. 29
Touval, I.	Oct. 61
Tracy, James E.	Sept. 29
Van Horn, James L.	Aug. 34
Vizgirda, R. J.	Dec. 25
Whittier, Bernard C.	Feb. 23
Willner, Jay R.	Mar. 47
Zinnert, Wolfgang	Sept. 48
Zoril, Ulrich	Mar. 17
Automotive Market, Big, Eyed for Powder Coatings — Dr. Edward Stone and Guy J. Del Franco	Apr. 35
AZZAM, HANI T.	
Application Techniques for Powder Coatings	Apr. 39
B	
BIENEMAN, RICHARD A.	
Polyurethane Architectural Coatings: An Overview	Dec. 19

Big Automotive Market Eyed for Powder Coatings — Dr. Edward Stone and Guy J. Del Franco	Apr. 35
BOOK REVIEWS	
Design of Thermal Systems (McGraw-Hill)	Feb. 66
Fundamental Principles of Polymeric Materials for Practicing Engineers (Barnes & Noble)	Feb. 66
Plastics and Synthetic Rubbers (Pergamon Press)	Mar. 68
Polyurethane Coatings (Noyes Data)	Apr. 86
Principles of Aerosol Technology (Van Nostrand Reinhold)	Jan. 67
Bright New Approach to Plant Safety	Mar. 38
Brighton Corp., Founder Still Leads	Sept. 46
BUILDING CONTRACTS	
Close Record Year	Mar. 48
Gain in November	Feb. 53
BURNS, R. J.	
Formulating Exempt Vinyl Coatings	Feb. 29

C

CARPENTER, PETER G.	
Upgrading Zinc Dust Coatings	July 34
Cecelia Riley Talks About Color — Cecelia Riley	Aug. 20
Chemical Waste, How to Control — S. Douglas Hall	June 41
Coal Tar Epoxy Protects Jersey Sewage Plant	Mar. 32
Coating Program Set For Conference-Show	Mar. 50
Coatings Overseas — Dr. Walter B. Maass	Jan. 16
Feb. 11, Mar. 14, Apr. 8, May 16, June 16, July 16, Aug. 16, Sept. 16, Oct. 16, Nov. 16, Dec. 16	
Collections and Payments, Questions and Answers on, PVP Management Report	Oct. 71
Color, Cecelia Riley Talks About — Cecelia Riley	Aug. 20
Communications, Error-Free, at Sherwin-Williams: Facsimile Transmission Means	Jan. 33
Computerization Eases Sales Record Keeping at Mobile Paint — Charles R. Sharpe	July 40
Containers, Paint, Polyethylene — Bernard C. Whittier	Feb. 23
Convention Programs	Oct. 23

D

- Defoamer, Versatile, Solves Wide Range of Problems at Royal Paint Sept. 44
- DEL FRANCO, GUY J., AND STONE, DR. EDWARD
Big Automotive Market Eyed for Powder Coatings Apr. 35
- Determining Trace Elements — J. J. Koblikska, S. P. Kodama, C. G. Eckhart, R. J. Gaydos, L. J. McMeekin, F. Santacana and W. B. Prescott Aug. 27
- Dicalite Sales Territories Realigned Mar. 52
- Dispersion, Increasing Efficiency — G. Tastayre Nov. 29
- Dispersion Patterns, Photographing Wet and Dry Film — Arthur E. Jacobsen Sept. 37

E

- EARHART, KENNETH A.
Trimethylolmethane in Silicone-Modified Polyesters Jan. 35, Feb. 37
- Earth Color Popularity Growth Shown in Du Pont Auto Study Aug. 22
- Eastman's Pete Teague Talks About MBK Dec. 30
- ECKHART, C. G., ET AL
Determining Trace Elements Aug. 27
- Editorial Index for Volume 61 — 1971 Jan. 68
- EDITORIALS
And how do we look to you? Sept. 8
- A sensible approach Oct. 8
- Beyond Project Cope June 8
- Mr. Paintmaker, citizen Jan. 8
- Muddy waters Feb. 8
- New super agency? Aug. 8
- No time for complacency Mar. 8
- On the rebound Apr. 6
- Research spending Nov. 8
- Room for the "little guy" May 8
- The call to politics Dec. 6
- Think plastic July 8
- Electric Lift Truck, You Can Justify An — K. J. Paul June 46

END PRODUCTS

- Acrylic Enamel (Glidden-Durkee) May 74
- Acrylic Latex (Glidden Maintenance Coatings) Mar. 66
- Acrylic Latex Mastics (Clowes Protective Coatings) Oct. 120
- Acrylic Rustic Stain (Pabco Paint) July 66
- Aerosol Coating (3M) Mar. 66
- Aerosol Sprays (Emerson & Cuming) Nov. 75
- Air-Dry Lube Coating (Acheson Colloids) Oct. 120
- Aliphatic Polyurethane (Lacquerite Div., Supronics) May 74
- Alkyd-Based Primer (Dampney) Jan. 63
- Alkyd Coating (Farnow) Feb. 64
- All-Surface Enamel (Sherwin-Williams) Feb. 64
- Antigraffiti Coating (Coatings for Industry) Jan. 63
- Anti-Graffiti Coating (Sybron) Dec. 64
- Antiquing Spray (Blair Art Products) Nov. 75
- Automotive Coating System (3M) June 81
- Baking Enamel (Cook Paint & Varnish) Sept. 82
- Barn and Fence Paint (Bruning Paint) Feb. 64
- Bond Seal Primer (Jetcoat) Apr. 83
- Butyl Rubber Coatings (Enjay) Feb. 64
- Ceramic Composite Coating (Metco) July 66
- Chromate Coating (Enthone) Aug. 72
- Chromium Carbide Powder (Metco) Feb. 64
- Coil Coating System (DeSoto) July 66
- Conformal Coating (Conap) Dec. 64
- Copper Based Primer (Conshohocken Chemicals) June 81
- Electrical Varnish (General Electric) May 74
- Electronic Dip Coating (Allaco Products) Apr. 83
- Electrostatic Coating (Eastman Chemical Products) July 66
- Epoxy Coating (Advanced Coatings & Chemicals) Nov. 75
- Epoxy Dip Coating (Allaco Products) Nov. 75
- Epoxy Latex Paints (Zynolyte Products) June 81
- Exterior-Interior Finish (Pabco) Aug. 72

END PRODUCTS (Cont'd.)

- Exterior Stains (Glidden-Durkee) Apr. 83
- Fire Retardant Coating (Advanced Coatings & Chemicals) Oct. 120
- Flame Spray Coating (Metco) Jan. 63
- Flexible Barrier Coating (Matcote) Oct. 120
- Fluorocarbon Coating (Whitford) Feb. 64
- Fluoropolymer Coating (PPG) Jan. 63
- Foam Coating (Spraylat) May 74
- Force-Sensitive Compound (Innovations Labs) Sept. 82
- Heat Transfer Coating (Sermetel Div. of Teleflex) Sept. 82
- Heavy Duty Coating (Emerson & Cuming) Dec. 64
- Industrial Coatings (ISIS Chemicals) Dec. 64
- Inhibitor-Antifoulant (Drew Chemical) Dec. 64
- Inorganic Zinc Primer (Carboline) June 81
- Interior Flat Latex (PPG) May 74
- Iron Phosphate Coating (Lubrizol) May 74
- Latex House Paint (Southland Paint) Mar. 66
- Maintenance Coating (Dampney) June 81
- Masonry Coating (Goodyear Tire & Rubber) Aug. 72
- Masonry Coatings (Cook Paint & Varnish) Dec. 64
- Metal Finishing Coating (Lubrizol) Dec. 64
- Nonflammable Coating (Emerson & Cuming) Aug. 72
- Oil Latex Stain (Behr Process) Apr. 83
- Phosphate Coating (Pennwalt) Feb. 64
- Plastic Roof Coating (Parr) May 74
- Polyester Coating (Celcote) Apr. 83
- Polyester Coatings (Celcote) Feb. 64
- Polyurethane Coating (Advanced Coatings & Chemicals) June 81
- Polyurethane Finish (Def) Sept. 82
- Pool Paint (Bruning Paint) Mar. 66
- Powder Coating (Emerson & Cuming) July 66
- Powder Coating (Pratt & Lambert) Aug. 72
- Powder Coatings (Eastman Chemical Products) Apr. 83
- Primer-Surfacers (PPG) Oct. 120
- Protective Coating (Carboline) May 74
- Protective Coating (Sika Chemical) July 66
- Roof-Sidewall Coating (Consolidated Paint & Varnish) Aug. 72
- Roof Spray System (Randustrial) Aug. 72
- Roofing System (Carboline) Dec. 64
- Rubber Surface Paint (Advance Process Supply) Oct. 120
- Rust-Inhibitive Coatings (BASF Wyandotte) June 81
- Rustic Finish Stain (Southland Paint) May 74
- Safety Coating (Flexco of Florida) July 66
- Silicone-Acrylic Coating (Cook Paint and Varnish) Jan. 63
- Silicone Coating (Chromerics) Nov. 75
- Silicone Enamel (Glidden Maintenance Coatings) June 81
- Solid Stains (PPG) Nov. 75
- Steel Pretreatments (Erie Creative Coatings) Nov. 75
- Strippable Coating (Metachem Resins) Mar. 66
- Strippable Coatings (Spraylat) Aug. 72
- Surface Coating (Emerson & Cuming) Sept. 82
- Tech Primer (Croda Polymers) Oct. 120
- Thermoplastic Coating (Armstrong Products) Jan. 63
- Translucent Coating (Wet Ground Mica Association) Oct. 120
- Urethane Finish (National Solvent) Mar. 66
- Urethane Lacquers (Thiokol Chemical) Sept. 82
- Vinyl Epoxy Coating (Kankakee Coatings) July 66
- Water Based Coatings (John L. Armitage) Aug. 72
- Water-Proofing Coating (3M) Sept. 82
- Waterproofing System (Bruning Paint) Dec. 64
- Wet-Look Enamel (Illinois Bronze Powder & Paint) July 66
- Wood Finishes (PPG) Feb. 64
- Wood Preservative (DeMert & Dougherty) May 74
- Zinc-Rich Coating (BASF Wyandotte) July 66

EPOXY

- Coal Tar, Protects Jersey Sewage Plant Mar. 32
- Coatings, Rapid Growth Predicted for — Frank Esch Apr. 23
- Equipment, Production, Guide June 23
- ESCH, FRANK
Rapid Growth Predicted for Epoxy Powder Coatings Apr. 23
- Exempt Vinyl Coatings, Formulating — R. J. Burns and L. A. McKenna Feb. 29

F

- Facsimile Transmission Means Error-Free Communications at Sherwin-Williams Jan. 33
- FEDERATION OF SOCIETIES FOR PAINT TECHNOLOGY
Program of Oct. 24
- Teas Names 1971-72 Committee Chairmen Jan. 48
- Finland, Tinting Machine Brightens Color Outlook in — Aslak R. Heikel Aug. 41
- Flame Retardant Coatings, Antimony Additives for — I. Touval and A. Frieman Oct. 61
- Fluorochemical Surfactants for Non-Aqueous Systems — Dr. M. T. Pike Mar. 27
- Forecast 1972 — Review 1971 — Abraham Mann Jan. 19
- Formulating Exempt Vinyl Coatings — R. J. Burns and L. A. McKenna Feb. 29
- Fouling, Marine, Organotins Fight — R. J. Vizgirda Dec. 25
- Founder Still Leads Brighton Corp. Sept. 46
- FRIEMAN, A., AND TOUVAL, I.
Antimony Additives for Flame Retardant Coatings Oct. 61

G

- GALLAGHER, JOHN E.
New Acrylic Polymer Additive for Lead Free Latex Primers May 35
- GAYDOS, R. J., ET AL
Determining Trace Elements Aug. 27
- GEIBERT, JOHN G.
New Development in Straining Nov. 39
- Grow Files for Powder Patents Feb. 56

H

- HAGAN, JOSEPH W.
Vinyl Position Strong in Powder Coating Market Apr. 45
- HALL, J. DOUGLAS
How to Control Chemical Waste June 41
- HASELMAYER, FRITZ, AND ZINNEIT WOLFGANG
Measuring Slip Properties Sept. 48
- HEIKEL, ASLAK R.
Tinting Machine Brightens Color Outlook in Finland Aug. 41
- H. E. Jones to Head Pierce & Stevens Mar. 52
- HOLDA, EUGENE M.
Why Polyester Resins for Powder Formulations? Apr. 51
- How to Control Chemical Waste — S. Douglas Hall June 41
- How to Cut Costs Without Cutting Company Efficiency — Dr. Daniel D. Howard Feb. 48
- HOWARD, DR. DANIEL D.
How to Cut Costs Without Cutting Company Efficiency Feb. 48
- HRB Committee Hears Paint Report Mar. 54

I

- IMBERMAN, A. A.
Management Report: Why Some Executives Cause Labor Troubles May 45
- Increasing Dispersion Efficiency — G. Tastayre Nov. 29
- INDUSTRY FORUM
Formulating a Better Environment Oct. 35
- Intumescent Coatings Fight Fire Damage — Richard W. Reaves Nov. 23
- Is Your Plant Ready for the OSHA Inspector? — L. J. Kachelein June 37

J	JACOBSEN, ARTHUR E. Photographing Wet and Dry Film Dispersion Patterns	Sept. 37
---	--	----------

K	KACHELEIN, L. J. Is Your Plant Ready for the OSHA Inspector?	June 37
	KEANE, JOHN D. Protective Coatings for Steel Structures: An Evaluation	May 21
	KOBILSKA, J. J., ET AL Determining Trace Elements	Aug. 27
	KODAMA, S. P., ET AL Determining Trace Elements	Aug. 27

L	Labor Troubles, Why Some Execu- tives Cause — A. A. Imberman	May 45
	Largest Job Shop Electrocoat Operation Opens in California	Jan. 43
	LATEX Paints, Anatomy of — H. S. Ritter Primers, New Acrylic Polymer Additive for Lead-Free — John E. Gallagher	May 35
	Lead Paint Laws Proposed for Chicago	Jan. 46
	Leaded Pigments, Replacing — W. H. Rhodes and R. J. Webb	Aug. 34
	Lift Truck, Electric, You Can Jus- tify — K. J. Paul	June 46

M	MACHINERY AND EQUIPMENT	
	Absolute Viscometer (Gardner Laboratory)	Oct. 118
	Aerosol Containers (Continental Can)	Sept. 81
	Automatic Can Filler (Cherry- Burrell)	Apr. 82
	Colorant Dispenser (Graco)	Mar. 64
	Column Packing (Packed Col- umn)	Jan. 62
	Continuous Mixer (Beardsley & Piper)	June 74
	Displacement Pump (Dover)	Nov. 74
	Dual Prop Mixer (Neptune Mixer)	May 73
	Fabric Basket Filter (Dover)	Aug. 70
	Filler-Extender (Illinois Minerals)	Mar. 64
	Film Thickness Scale (Millis Re- search)	Mar. 64
	Filter Cartridges (AMF)	Nov. 74
	Flash Point Tester (Erdco Engi- neering)	May 73
	Four-Source Lighting Unit (Mac- beth)	Sept. 81
	Gear Driven Mixer (Neptune Mixer)	Nov. 74
	Grinding Beads (Jaygo)	Aug. 70
	Lab Continuous Mixer (Baker Perkins)	June 74
	Laboratory Kneader (Tekmar)	Dec. 60
	Mixer-Extruder (J. H. Day)	July 67
	Motionless Mixer (Charles Ross & Son)	Feb. 63
	Paint Container (Continental Can)	July 67
	Paint Mixers (MixMor)	Apr. 82
	Panel Rack (Atlas Electric De- vices)	Feb. 63
	Pigment Slurry (N L Industries)	May 73
	Planetary Mixer (Jaygo)	Oct. 118
	Plastic Container (Vulcan Con- tainers)	Dec. 60
	Plastic Pail (Gueder, Paeschke & Frey)	Mar. 64
	Plastic Sprayhead Cap (Newman- Green)	July 67
	Pump-Filter Systems (GAF)	Jan. 62
	Purification System (Ionics)	Dec. 60
	Reactivators (C. M. Kemp Mfg.)	Feb. 63
	Recovery System (Celite)	Oct. 116
	Sample Panel Rack (Atlas Electric Devices)	Sept. 81
	Sand Mill (Premier Mill)	Feb. 63
	Sludge Separator (Wellco)	Apr. 82
	Spectrophotometer (Perkin- Elmer)	May 73
	Tank Mixer (Ross Metal Fabrica- tors)	July 67
	Thermosetting Resins (Rohm and Haas)	June 74
	Vacuum Ovens (Blue M Electric)	Feb. 63
	Vertical Mixer (Littleford Bros.)	June 74
	Wall-Mounted Dispersers (Pre- mier Mill)	Aug. 70
	Weathering Tester (Q-Panel)	Dec. 60

MANAGEMENT REPORTS	
How to Cut Costs Without Cutting Company Efficiency — Dr. Daniel D. Howard	Feb. 46
Practical Planning for Paint Peo- ple — Jay R. Willner	Mar. 47
Questions and Answers on Collec- tions & Payments in the Chemi- cal Industry	Oct. 71
Recruiting and Training Produc- tion Workers	Nov. 43
Staff Salesmen Versus Sales Agents	Dec. 33
MANN, ABRAHAM 1971 Review — 1972 Forecast: PVP Special Report	Jan. 19
Marine Fouling, Organotins Fight — R. J. Vizgirda	Dec. 25
McKENNA, L. A., AND BURNS, R. J. Formulating Exempt Vinyl Coatings	Feb. 29
McMEIKIN, L. J., ET AL Determining Trace Elements	Aug. 27
Measuring Slip Properties — Fritz Haselmeyer and Wolfgang Zin- nert	Sept. 48
METIL, DR. IGNATIUS PVC vs. Water Vapor Transmis- sion	July 20
MILES, HAROLD W. Unique Order Form Helps Smith- Alsop Speed Shipments	Nov. 34
Mobile Paint, Computerization Eases Sales Record Keeping at — Charles R. Sharpe	July 40
Mortell, Antimicrobial Paint Proves Effective at	Oct. 67

N	NACE Sets Plans for Corrosion/72	Feb. 57
	New Acrylic Polymer Additive for Lead-Free Latex Primers — John E. Gallagher	May 35
	New Development in Straining — John G. Gebbett	Nov. 39
	Non-Aqueous Systems, Fluoro- chemical Surfactants for — Dr. M. T. Pike	Mar. 27
	North Dakota State Names Dr. Wicks	Mar. 50
	Now Available: The Safer Aerosol Can — Lewis R. Robinson	May 42
	NPCA Meeting Program	Oct. 28

O	OBITUARIES	
	Alsop, Fred E.	July 52
	Bengtson, Carl A.	June 64
	Binning, Jack	May 62
	Borcina, David	Mar. 58
	Bradley, Edmund J.	Jan. 54
	Burr, Reuel S.	Jan. 54
	Campbell, Donald E.	Jan. 54
	Carlton, Francis R.	Nov. 56
	Chandlee, Ellis G.	May 62
	Chasen, Harry	Feb. 59
	Chinery, Frank L.	May 62
	Cook, Minnie K.	Apr. 74
	Davis, Rothbard Rose	Dec. 52
	Day, Arthur T.	May 62
	Derrick, Ferdinand J.	Mar. 58
	Devine, Frank P., Jr.	Dec. 52
	Dickinson, Calvin L.	Mar. 58
	Eberhardt, Theodore J.	June 64
	Ehrlich, Arthur	Dec. 52
	Frazee, Robert S., Sr.	Oct. 102
	Fullerton, Joseph F.	Jan. 54
	George, Norman J.	Feb. 59
	Graham, Charles D.	Mar. 58
	Hawkinson, Lawrence O.	Feb. 59
	Hockmeyer, Herman	Oct. 102
	Hollis, Russell Irwin	Nov. 56
	Holmes, Warren M.	Dec. 52
	Hookway, Raymond H.	Mar. 58
	Johnson, Carl M.	Sept. 74
	Kautz, Floyd E.	Nov. 56
	Kenny, Donald W.	Sept. 74
	Klee, Max Edgar	Jan. 54
	Knitell, Edward J.	Apr. 74
	Koenig, Alfred J.	Apr. 74
	Konken, Ed D.	Feb. 59
	Kushner, Charles E.	Mar. 58
	Laing, William A.	Nov. 56
	Larson, Victor J.	Dec. 52
	Ling, Sidney	July 52
	MacMurray, Alonzo M.	Feb. 59
	Masters, Charles E.	May 62
	Materson, Edward J.	Dec. 52
	Miller, Fred M.	Oct. 102
	Miller, Fred W.	Mar. 58

OBITUARIES (Cont'd.)	
Mitchell, Charles S.	Mar. 58
Moore, Vernon E.	Mar. 58
Moran, William F.	June 64
Orrell, Elwood C.	Feb. 59
Pfeifer, Herman A.	Jan. 54
Raynolds, Harold	July 52
Redheffer, Frederick N.	Aug. 60
Reidy, John F.	May 62
Sinnett, Charles J.	Jan. 54
Sloan, Abram F., Jr.	Aug. 60
Sternberg, Joseph E.	July 52
Vozzella, Joseph F.	Sept. 74
West, Robert S.	June 64
Widows, Peter	Apr. 74
Wilke, William Jr.	Sept. 74
Wilson, Nathan	Nov. 56
Wurtele, Valentine	May 62
Yeoman, Don O.	Aug. 60
Order Form, Unique, Helps Smith- Alsop Speed Shipments — Harold W. Miles	Nov. 34
Organotins Fight Marine Fouling — R. J. Vizgirda	Dec. 25
OSHA Inspector, Is Your Plant Ready For — L. J. Kachelein	June 37

P	Paint Show Floor Plan	Oct. 26
	PAUL, K. J. You Can Justify an Electric Lift Truck	June 46
	Pavement Marking Offered for Non-Smear Application	Oct. 65
	Payments and Collections, Ques- tions and Answers On: PVP Man- agement Report	Oct. 71
	Photographing Wet and Dry Film Dispersion Patterns — Arthur E. Jacobsen	Sept. 37
	Pigments for Lasting Colors — James L. Van Horn	Aug. 37
	Pigments, Leaded, Replacing — W. H. Rhodes and R. J. Webb	Aug. 34
	PKK, DR. M. T. Fluorochemical Surfactants for Non-Aqueous Systems	Mar. 27
	Plant Safety, Bright New Approach to	Mar. 38
	Pollution Reduction in Resin Man- ufacture — Dr. James E. Tracy and Thomas M. Powanda	Sept. 29
	Pollution Seminar Held by Coaters	Feb. 51
	Polyester Resins, Why For Powder Formulations? — Eugene M. Holda	Apr. 51
	Polyesters, Silicone-Modified, Tri- methylethane in — Kenneth A. Earhart	Jan. 35, Feb. 37
	Polyethylene Paint Containers — Bernard C. Whittier	Feb. 23
	Polypropylene: New Resin for Powder Coatings Market	Apr. 28
	Polyurethane Architectural Coatings: An Overview — Rich- ard A. Bieneman	Dec. 19
	Pool Murals Provide Colorful Pro- tection	Dec. 22
	POWANDA, THOMAS M., AND TRACY, DR. JAMES E. Pollution Reduction in Resin Manufacture	Sept. 29
	POWDER COATINGS Application Techniques for — Hani T. Azzam	Apr. 39
	Big Automotive Market Eyed for — Dr. Edward Stone and Guy J. Del Franco	Apr. 35
	Grow Files for Patents	Feb. 56
	Market, New Polypropylene Resin For	Apr. 28
	SME Schedules 72	Feb. 50
	To Hold Conference On	Feb. 50
	Vinyl Position Strong in — Joseph W. Hagan	Apr. 45
	Why Polyester Resins for Formu- lations? — Eugene M. Holda	Apr. 51
	PPG INDUSTRIES, INC. George M. Zapp Appointed by	Feb. 54
	Marketing Radiation Curable Coatings and Radiation Equip- ment	Feb. 43
	Practical Planning for Paint Peo- ple — Jay R. Willner	Mar. 47
	PRESNOTT, W. B., ET AL Determining Trace Elements	Aug. 27
	Production Equipment Guide	June 23
	Production Workers, Recruiting and Training: PVP Management Report	Nov. 43

Protective Coatings for Steel Structures: An Evaluation — John D. Keane	May 21
PVC vs. Water Vapor Transmission — Dr. Ignatius Metil	July 20

Q

Questions and Answers on Collections and Payments: PVP Management Report	Oct. 71
--	---------

R

RACK, FRANK H.	
A Shipbuilder Looks at Coatings	Sept. 21
Rapid Growth Predicted for Epoxy Coatings — Frank Esch	Apr. 23
RAW MATERIALS	
Acrylic Latex (Union Carbide)	Jan. 62
Acrylic Polymer (Rohm and Haas)	Aug. 70
Adhesion Promoter (Baker Castor Oil)	Sept. 81
Aluminum Pigment Pastes (Claremont Polychemical)	June 74
Anti-Microbial Preservative (Ferro)	Feb. 63
Aqueous Emulsion (Chemische Werke Hays AG)	Feb. 63
Calcined Clay (Engelhard)	Apr. 82
Casein Substitute (Ultra Adhesives)	June 74
Composite Pigments (Chemetron)	Mar. 64
Copolymer Emulsion (A. E. Staley)	Oct. 118
Copolymer Latex Resin (National Starch and Chemical)	Dec. 60
Corrosion Inhibitor (Sherwin-Williams)	Aug. 70
De-Bubbler (Troy)	Sept. 81
Defoamer (Drew)	Jan. 62
Defoaming Agent (Diamond Shamrock Chemical)	Mar. 64
Disperser — Stabilizer (Ultra Adhesives)	Oct. 118
Epoxy-Alkyd (Farnow)	Apr. 82
Extender Oils (Kenrich Petrochemicals)	Oct. 116
Fluorocarbon Telomer (Du Pont de Nemours International S.A.)	July 67
Gloss Oil (Tenneco)	Sept. 81
Heterocyclic Hardeners (Isochem Resins)	Nov. 74
Hydrophobic Additive (Cabot)	Mar. 64
Latex Binders (Monsanto)	Jan. 62
Lead Free Pigments (Halox Pigments)	Nov. 74
Loss-of-Dry Inhibitor (Troy)	Nov. 74
Melamine Resin (Cargill)	Apr. 82
Non-Metallic Mildewicide (Rohm and Haas)	Jan. 62
Non-Toxic Paint Additive (Contamination Control Coatings)	June 74
Oil-Modified Polyurethanes (Cargill)	July 67
Paint Binder (Polymer Chemicals Div., Air Products and Chemicals)	July 67
Paint Stabilizer (H. B. Fuller)	Sept. 81
Preservative-Mildewicide (Hilton-Davis Chemical)	Sept. 81
Reflectance Pigments (Ferro)	Oct. 118
Silicone-Free Defoamer (Isochem Resins)	Jan. 62
Stain Inhibitor (Rohm and Haas)	May 73
Transparent Oxides (Chemetron)	Oct. 116
Urea Formaldehyde Resin (Rohm and Haas)	July 67
Urea Resin (Cargill)	May 73
Vinyl Resin (Union Carbide)	Aug. 70
Viscosity Thickener (Dow Chemical USA)	May 73
Wetting Agent (Nopco Chemical)	Dec. 60
Wetting Agents (Nopco Chemical)	Sept. 81
Zinc Dust (American Smelting and Refining)	Apr. 82
REAVES, RICHARD W.	
Intumescent Coatings Fight Fire Damage	Nov. 23
Record Keeping, Sales, Computerization Eases at Mobile Paint — Charles R. Sharpe	July 40
Recruiting and Training Production Workers: PVP Management Report	Nov. 43
Replacing Leaded Pigments — W. H. Rhodes and R. J. Webb	Aug. 34
Resin Manufacture, Pollution Reduction in — Dr. James E. Tracy and Thomas M. Powanda	Sept. 29
Review 1971 — Forecast 1972 — Abraham Mann	Jan. 19

RHODES, W. H., AND WEBB, R. J.	
Replacing Leaded Pigments	Aug. 34
RILEY, CECILIA	
Cecilia Riley Talks About Color	Aug. 20
RITTER, H. S.	
Anatomy of Latex Paints	July 27
ROBINSON, LEWIS R.	
Now Available: The Safer Aerosol Can	May 42
Royal Paint, Versatile Defoamer Solves Wide Range of Problems at	Sept. 44
RUST-OLEUM	
Reorganizes Company Structure	Mar. 50
Word Processing Improves Sales Correspondence at — W. Raymond Ahrberg	Mar. 41

S

Sales Correspondence, Word Processing Center Improves at Rust-Oleum — W. Raymond Ahrberg	Mar. 41
Sales Record Keeping, Computerization Eases at Mobile Paint — Charles R. Sharpe	July 40
SANTACANA, F., ET AL.	
Determining Trace Elements	Aug. 27
SHARPE, CHARLES R.	
At Mobile Paint: Computerization Eases Record Keeping	July 40
SHERWIN-WILLIAMS	
Directors Vote Executive Changes	Feb. 52
Facsimile Transmission Means Error-Free Communications at	Jan. 33
Good Year Seen by Spencer	Mar. 55
Silicone-Modified Polyesters, Trimethylolmethane in — Kenneth A. Earhart	Jan. 35, Feb. 37
Slip Properties, Measuring — Fritz Haselmeyer and Wolfgang Zinner	Sept. 48
SME Schedules Powder Coating 72	Feb. 50
Smith-Alsop, Unique Order Form Helps Speed Shipments — Harold W. Miles	Nov. 34
SPECIAL REPORTS	
Convention Coverage: Reports and Photos From Annual Meetings	Dec. 35
Industry Forum-Formulating a Better Environment	Oct. 35
1971 Review — 1972 Forecast — Abraham Mann	Jan. 19
Production Equipment Guide	June 23
Staff Salesmen Versus Sales Agents: PVP Management Report	Dec. 33
Steel Structures, Protective Coatings for, An Evaluation — John D. Keane	May 21
STONE, DR. EDWARD, AND DEL FRANCO, GUY J.	
Big Automotive Market Eyed for Powder Coatings	Apr. 35
Straining, New Development in — John G. Gebbett	Nov. 39
Surfactants, Fluorochemical, for Non-Aqueous Systems — Dr. M. T. Pike	Mar. 27

T

TASTAYRE, G.	
Increasing Dispersion Efficiency	Nov. 29
Teague, Pete, Eastman's, Talks About MBK	Dec. 30
Teas Names 1971-72 Committee Chairman	Jan. 48
Tile-Like Coating System Makes Clean Pressroom Possible	Oct. 73
Tinting Machine Brightens Color Outlook in Finland — Aslak R. Heikel	Aug. 41
To Hold Conference on Powder Coating	Feb. 50
TOUVAL, I., AND FREEMAN, A.	
Antimony Additives for Flame Retardant Coatings	Oct. 61
Trace Elements, Determining — J. J. Kobitska, et al	Aug. 27
TRACY, DR. JAMES E., AND POWANDA, THOMAS	
Pollution Reduction in Resin Manufacture	Sept. 29
TRADE LITERATURE	
Air Pollution Sampling Services (Enviro-Chem Systems)	Dec. 70
Aluminum Silicate Pigments as Extenders (Engelhard)	Feb. 66, June 85
Amoco TMA/IPA Product Bulletins (Amoco)	July 69

TRADE LITERATURE (Cont'd.)

AMP-95, Technical Data Sheet (Commercial Solvents)	Jan. 67
Analytical Instruments for Chemistry (Avondale)	June 85
A Selected Listing of Testing and Laboratory Equipment for all Industries (Testing Machines)	Feb. 66
Automated Cleaning Systems (Wellco Chemical)	Jan. 67
Bakelite Vinyl Butyral Resins (Union Carbide)	Jan. 67
Balab — The Defoaming Specialists (Witco)	Dec. 70
CA-Series Epoxy Curing Agents (Lubrizol)	Dec. 70
Cab-O-Sil in Coatings (Cabot)	Nov. 78
Cellulose Acetate Butyrate Coatings (Eastman)	Feb. 66
Channel Blacks (Degussa)	Aug. 74
Chemicals for Industry (N L Industries)	May 76
Day-Glo Fluorescent Pigments (Day-Glo Color)	Dec. 70
Day-Glo Products Binder (Day-Glo Color)	Feb. 66
Defoamers for Latex Stripping (Nopco)	Apr. 86
Diamazine Unsymmetrical Dimethylhydrazine (UDMH) (FMC)	Apr. 86
Dry Grinding-Classification System (Sweco)	Sept. 86
DV-2222 Color-Retentive Moisture Cure Urethane (Textron)	May 76
Emerex Polyamide Resins (Emery Industries)	Dec. 70
Empol Dimer and Trimer Acids (Emery Industries)	Apr. 86
Engelhard Minerals (Engelhard)	Apr. 86
Ethyl Ether Handbook (USI)	Sept. 86
Fast Drying Modified Urethane Coatings (Eastman)	Apr. 86
Flintex Powder Coatings (DuPont)	May 76
Foamaster P for Polyvinyl Alcohol (Nopco)	July 69
Foamaster T-2 Defoamer for Latex Tint Bases and Paints (Diamond Shamrock Chemical)	May 76
For the Control of Air Pollution (Princeton Chemical Research)	Dec. 70
Formulating Fluorescent Aerosol Paints (Day-Glo Color)	Sept. 86
Formulating Fluorescent "Vibrant Yellow" Interior Latex Paints with Day-Glo Pigments (Day-Glo Color)	Nov. 78
Function of a Mercapto Silane in Hi-Sil Reinforced Neoprene (PPG Industries)	May 76
Harshaw Antimony Oxide (Harshaw Chemical)	Dec. 70
Hercotuf Bulletin (Hercules)	Sept. 86
Hercules EHEC (Hercules)	Nov. 78
High-Infrared-Reflectance Pigments (Ferro)	Sept. 86
Horse Head Titanium Dioxide Pigments (New Jersey Zinc)	Jan. 67
Industrial Chemicals (Rohm and Haas)	Apr. 86
Industrial Coatings with Carboset Resins (B. F. Goodrich)	May 76
Intermix Color Guide (Day-Glo Color)	June 85
Kelsol Type Water-Thinnable Base Resin (Spencer Kellogg)	Mar. 68
Lomar PW Dispersant (Nopco)	June 85
Lubrizol Data Sheet (Lubrizol)	Mar. 68
Macopol 3017 and Macopol 6017 Acrylic-Modified Alkyds (Commercial Solvents)	Mar. 68
MAK Solvent (Eastman)	Oct. 128
Mapico News (Cities Service)	Aug. 74
MBK Solvent (Eastman)	June 85
Melamine Product Data Sheets (Cargill)	July 69
Mixing Equipment for the Process Industries (Charles Ross & Son)	July 69
Moly-White 101 Technical Bulletin (Sherwin-Williams)	Oct. 128
M-Pyrol Solvent Handbook (GAF)	Oct. 128
Natrasol Hydroxyethyl Cellulose (Hercules)	Apr. 86, Aug. 74
New Air Pollution Control Regulations that Affect the Use of Organic Solvents (Amoco)	Oct. 128
1972 Freund Catalog (Freund Can)	May 76
1972 Solvent Selector Chart (Eastman)	May 76
Nopcosant C Pigment Dispersant for Latex Paints, Pastes and Ad-	

TRADE LITERATURE (Cont'd.)	
hesives (Nopco)	Aug. 74
Nopcosant H-47 Pigment Dispersant for Latex Paints, Pastes and Adhesives (Nopco)	Sept. 86
OSHA — How It Affects Your Vapor Degreasing Operations (PPG Industries)	Dec. 70
Paint Thixotropy (Washburn-Lanson, Div. of Purex)	Nov. 78
Plastic Data Guide (Union Carbide)	Oct. 128
Polyurethane Lacquers (Spencer Kellogg)	Feb. 66
Powder Coatings Cost Chart (Interrad)	Apr. 86
Processor Equipment (C-B Div., Cherry-Burrell)	Aug. 74
R-771 — The Better Ti02 (New Jersey Zinc)	Mar. 68
Rhoplex AC-490 Emulsion (Rohm and Haas)	June 85
Ribbon and Paddle Mixers (Patterson Industries)	Nov. 78
Sanibond 200LG Bulletin (Hilton-Davis Chemical)	Sept. 86
Sellogen Anti-Caking Agents (Nopco)	Nov. 78
Semi-Automatic Labelers Catalog (Labelette)	Nov. 78
Silicron for Coatings (Glidden-Durkee)	Mar. 68
SMA Resins, the Multifunctional Resins (ARCO)	Oct. 128
Sodium Sulfide (PPG Industries)	Jan. 67
Storage, Handling and Toxicity of Dow Epoxy Resins (Dow Chemical USA)	Aug. 74
Synthetic Resins for Coatings (Rohm and Haas)	Oct. 128
Synthetic Resin Kettles (Brighton)	Aug. 74
The Occupational Safety and Health Act and Uvex Plastic Sheet (Eastman)	July 69

TRADE LITERATURE (Cont'd.)	
The Zirco Guide to Lead-Free Paints (Cincinnati Milacron)	June 85, Aug. 74
Thixotrope Bulletins (Baker Castor Oil)	Aug. 74
ThoroBlender (Patterson Industries)	Dec. 70
Two Per Cent Lithium Ten-Cem (Mooney Chemicals)	Sept. 86
Uformite F-492 Crosslinking Resin (Rohm and Haas)	Nov. 78
Uformite Synthetic Resins for Coatings (Rohm and Haas)	May 76
Ultrathene EVA Copolymers (U.S. Industrial Coatings)	Nov. 78
Vic Air Pollution Control Systems (Vic Manufacturing)	July 69
Why Powder Coatings? (Interrad)	May 76
ZnO in Latex Paints and ZnO in Exterior Alkyd Paints (St. Joe Minerals)	July 69
Trimethylolethane in Silicone-Modified Polyesters — Kenneth A. Earhart	Jan. 35, Feb. 37

U

Unique Order Form Helps Smith-Alsoop Speed Shipments — Harold W. Miles	Nov. 34
Upgrading Zinc Dust Coatings — Peter G. Carpenter	July 34
Uptrend Seen for UV-Cure Coatings	Sept. 42
Urethane Coating Replaces Vinyl Trim	Sept. 24
UV-Cure Coatings, Uptrend Seen for	Sept. 42

V

VAN HORN, JAMES L. Pigments for Lasting Colors	Aug. 37
Vinyl Coatings, Formulating Exempt — R. J. Burns and L. A. McKenna	Feb. 29

Vinyl Position Strong in Powder Coatings Market — Joseph W. Hagan	Apr. 45
Viscoelastic Behavior of Paint Films — Dr. Ulrich Zorll	Mar. 17
VIZCARRA, R. J. Organotins Fight Marine Fouling	Dec. 25

W

Waste, Chemical, How to Control — S. Douglas Hall	June 41
Water Vapor Transmission, PVC vs — Dr. Ignatius Metil	July 20
WEBB, R. J., AND RHODES, W. H. Replacing Leaded Pigments	Aug. 34
Western Symposium to Begin March 8	Feb. 48
WHITTIER, BERNARD C. Polyethylene Paint Containers	Feb. 23
Why Polyester Resins for Powder Formulations? — Eugene M. Holda	Apr. 51
Why Some Executives Cause Labor Troubles — A. A. Imberman	May 45
WILLNER, JAY R. Practical Planning for Paint People	Mar. 47
Word Processing Center Improves Sales Correspondence — W. Raymond Ahrberg	Mar. 41

Y

You Can Justify an Electric Lift Truck — K. J. Paul	June 46
---	---------

Z

Zinc Dust Coatings, Upgrading — Peter G. Carpenter	July 34
ZINNERT, WOLFGANG, AND HASELMAYER, FRITZ Measuring Slip Properties	Sept. 48
ZORLL, DR. ULRICH Viscoelastic Behavior of Paint Films	Mar. 17



*It's a TALL
order!*

**birth
defects
are forever...
unless
you
help**

March of Dimes

THIS SPACE CONTRIBUTED AS A PUBLIC SERVICE BY THE PUBLISHER

